What is claimed is:

1. A cathode ray tube displaying a main picture in a single color comprising:

an electron gun for emitting electron beams;

a first picture display unit including a phosphor which emits a single color upon incidence of electron beams while displaying a main picture by emission of the single color emission phosphor; and

a second picture display unit including another phosphor which emits another color different from the single color emission phosphor upon incidence of the electron beams in a region different from the region where the single color emission phosphor is provided for displaying another picture in a color different from that of display of the main picture by emission of the another phosphor.

2. A cathode ray tube as in claim 1 wherein another phosphor provided in the second picture display unit is formed in accordance with another picture to be displayed.

3. A cathode ray tube as in claim 1 wherein another phosphor provided in the second picture display unit includes a phosphor in a plurality of colors which emit a different color from each other.

4. A cathode ray tube as in claim 1 wherein another phosphor

provided in the second picture display unit is provided by thermal transfer printing.

5. A cathode ray tube as in claim 1 wherein the another phosphor provided in the second picture display unit is provided at least in one among four regions of above, below, the left-hand side and the right-hand side of the region wherein the single color emission phosphor is provided.

6. A cathode ray tube as in claim 1, wherein, in a front-door intercom comprising a subsidiary apparatus including an image pickup apparatus and a master apparatus including a display unit which can display the picture picked up by the image pickup apparatus, the cathode ray tube is applied to the display unit of the master apparatus of the front-door intercom; and

the image picked up by the image pickup apparatus is displayed in the first display unit as the main picture.

7. A cathode ray tube as in claim 1, wherein, in a system comprising a front-door intercom which comprises a subsidiary apparatus including an image pickup apparatus and a master apparatus including a display unit which can display the picture picked up by the image pickup apparatus, and a peripheral apparatus for safety surveillance connected to the front-door intercom, the cathode ray tube is applied to the display unit of the master apparatus of the front-door intercom; and

a picture picked up by the image pickup apparatus is displayed in the

first display unit as the main picture, while displaying another picture different from the main picture in the second picture display unit according to surveillance signals from the peripheral apparatus.

8. A method of displaying picture in a cathode ray tube displaying a main picture in a single color, wherein;

a phosphor emitting a single color upon incidence of electron beams is provided and a main picture is displayed in a single color by emission of the single color emission phosphor; and

another phosphor emitting a color different from the single color emission phosphor emitting upon incidence of electron beams is provided in a different region wherein the single color emission phosphor is provided and another picture is displayed in another color different from the main picture by emission of the another phosphor.